

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re application of

Carsten DIEDERICHS
Volker LOHWEG
Jörn SACHER
Bernd Rüdiger STÖBER
Thomas TÜRKE
Harald Heinrich WILLEKE

Application No. : TBD
Filed : September 27, 2005
For : METHODS FOR
QUALITATIVE
EVALUATION OF A
MATERIAL WITH AT
LEAST ONE
IDENTIFICATION
CHARACTERISTIC

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.97 and 1.98, and with MPEP Section 609, the materials set forth on the enclosed PTO/SB/08a and 08b forms are brought to the attention of the Examiner. Copies of the non-U.S. documents are enclosed. Copies of the U.S. patent documents are not enclosed.

Each of the documents cited in the International Search Report, which was issued on October 22, 2004, is listed on one of the PTO/SB/08a or 08b forms.

EP 1 059 800 is in the English language. It also corresponds to U.S. 6,580,820.

DE 199 40 879 is accompanied by an English language abstract which was obtained from a commercial database.

U.S. 5,384,859 is in the English language.

DE 101 32 589 corresponds to U.S. patent application publication No. 2004/0179724.

The publication by Tony Johnson is in the English language.

WO 98/39627 is in the English language. It is also the equivalent of U.S. patent No. 6,654,048.

U.S. patent No. 6,069,973 is in the English language.

JP 11-41478 corresponds to U.S. patent application publication No. 2001/0040588.

JP 2001-16607 is accompanied by an English language abstract which was obtained from a commercial database.

The documents cited in the specification of the subject application, and not also set forth above, are also listed on the PTO/SB/08a form.

DE 196 13 082 corresponds to U.S. patent No. 6,111,261.

DE 102 34 086 is accompanied by an English language abstract which was obtained from a commercial database.

DE 198 02 781 is accompanied by an English language abstract which was obtained from a commercial database.

CH 684 222 corresponds to U.S. patent Nos. 5,503,262 and 5,522,491.

Various additional patent documents and publications were provided to the

undersigned by applicants' principal representatives in Germany without comment.

These are listed on either the PTO/SB/08a or 08b forms.

U.S. patent No. 6,516,078 is in the English language.

U.S. application No. 2002/0039446 is in the English language.

U.S. patent No. 5,602,938 is in the English language.

In a letter dated May 2, 2005, a copy of which is being filed with this application, the applicants' principal representatives in Germany brought several patent documents and several publications to the attention of the European Patent Office. These materials are listed on the PTO/SB/08a and 08b forms.

DE 41 36 461 corresponds to U.S. patent No. 5,256,883.

DE 200 10 920 does not appear to have an English language abstract or equivalent. It appears to show a printing machine that includes a camera or scanning device 16 which is located after four printing units and before a printed product removal device.

DE 203 03 574 does not appear to have an English language abstract or equivalent. It appears to show an inspection system for a printing machine.

The three publications set forth in that letter are discussed below.

The Lucht et al. document explains on page three in the last paragraph, also referring to footnote 2, that parallelizing of the image processing can be performed by means of powerful multi-processor systems, wherein the parallelization concept is track-oriented, i.e. a strip-shaped division of the material web and separate image processing takes place by means of associated computer techniques.

The Franke et al. document explains on page two under item three in the second

paragraph that this inspection system requires a lineup of several cameras.

The third document is a compilation of the results of the two documents above.

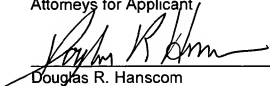
The Lohweg and Müller document was cited in the Written Notification, which is a part of the International Search Report mailed October 22, 2004. It describes two-dimensional spectral transforms for determining characteristics for image pattern detection.

Entry of these materials into the file of the subject U.S. patent application, and their consideration by the Examiner, is respectfully requested.

Respectfully submitted,

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Jörn SACHER
Bernd Rüdiger STÖBER
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Harald Heinrich WILLEKE
Applicants

JONES, TULLAR & COOPER, P.C.
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September 27, 2005
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Attorney Docket: W1.2099 PCT-US

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	
Filing Date	09/27/2005
First Named Inventor	Carsten Diederichs
Art Unit	
Examiner Name	
Attorney Docket Number	W1.2099PCT-US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JCI	1	US- 6,654,048	11/25/2003	Barrett-Lennard et al.	
	2	US- 6,580,820	06/17/2003	Fan	
	3	US- 6,516,078	02/04/2003	Yang et al.	
	4	US- 6,111,261	08/29/2000	Bolza-Schunemann et al.	
	5	US- 6,069,973	05/30/2000	Lin et al.	
	6	US- 5,602,938	02/11/1997	Akiyama et al.	
	7	US- 5,522,491	06/04/1996	Baudat et al.	
	8	US- 5,503,262	04/02/1996	Baudat et al.	
	9	US- 5,384,859	01/24/1995	Bolza Schunemann et al.	
	10	US- 5,256,883	10/26/1993	Weichmann et al.	
	11	US- 2004/0179724	09/16/2004	Sacher et al.	
	12	US- 2002/0039446	04/04/2002	Santoni	
JCI	13	US- 2001/0040588	11/15/2001	Shiraiwa et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number* Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
JCI	1	CH 684222 A5	07/29/1994	Baudat et al.		
	2	DE 203 03 574 U1	05/06/2003	MAN Roland Druckmaschinen AG		
	3	DE 200 10 920 U1	10/19/2000	MAN Roland Druckmaschinen AG		
	4	DE 199 40 879 A1	08/03/2001	Ludge		
JCI	5	DE 198 02 781 A1	07/29/1999	gleich		

Examiner Signature /Jose Couso/

Date Considered

06/25/2008

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet 2 of 3

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Application Number	
Filing Date	09/27/2005
First Named Inventor	Carsten Diederichs
Art Unit	
Examiner Name	
Attorney Docket Number	W1 2099PCT-US

U. S. PATENT DOCUMENTS

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		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Foreign Patent Document Country Code ³ Number* Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
J/C/	6	DE 196 13 082 A1	09/10/1997	Bolz-Schunemann et al.		
↓	7	DE 102 34 086 A1	02/19/2004	Lohweg		
	8	DE 101 32 589 A1	01/23/2003	Sacher et al.		
	9	DE 41 36 461 C2	08/04/1999	Weichmann et al.		
J/C/	10	EP 1 059 800 A2	12/13/2000	Fan		

Examiner Signature	<u>/Jose Couso/</u>	Date Considered	<u>06/25/2008</u>
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

1

Complete if Known

Application Number

Filing Date

09/27/2005

First Named Inventor

Carsten DIEDERICH

Art Unit

Examiner Name

Attorney Docket Number

W1.2099 PCT-US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/JC/	1	C. LUCHT, K. -H FRANKE, "Quality Control of Imprinted, Textile Web Material - Selection Solution Method for Inspecting Color Patterns", 5th Workshop Color Image Processing, Publication Series of ZBS e.V., Report No. 1/99, Ilmenau, 1999, 9 pages, ISSN 1432-3346; Workshop on 10/07 and 08/1999 (3 pages),	
/JC/	2	K. -H FRANKE, H. KEMPE, C. LUCHT, "Automating the Industrial Material Inspection in Connection with Complex Patterned Web-Shaped Material - A Challenge to Image Analysis," Conference Report, 42nd International Scientific Colloquium, Techn. University Ilmenau, 1997, 7 pages,"	
/JC/	3	T. JOHNSON, "Methods for Characterizing Colour Scanners and Digital Cameras," Displays, Elsevier Science Publishers B.V., Barking, GB, Bd. 16, Nr. 4, 1. Mai 1996 (1996-05-01), Seiten 183-191, XPO04032520, ISSN 0141-9382,"	
/JC/	4	C. LUCHT, C. NOWACK, O. -S., "Novel Image Processing Technologies for the Automated Optical Control of Structured Surfaces During Production," Project No. 216, Final Report, AS, Research Committee Mechanical Engineering e.V., Frankfurt (Main); FKM, 2000, 125 p. (Research Publication / Research Committee Mechanical Engineering e.V., No. 250),"	
/JC/	5	LÖHWEG AND MÜLLER, "A Generalized Method for Calculating Transformation-Invariable Circular Transformations for Application in Signal and Image Processing," pp. 213 to 220, DAGM Symposium, Sep. 13 to 15, 2000,"	

Examiner Signature

/Jose Couso/

Date

Considered

06/25/2008

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